CLAIMS

The invention claimed is:

1. A computer-readable medium containing a program for preventing overload in a packet telephony gateway, the program comprising instructions for:

    receiving a CPU utilization threshold input;

    detecting when an incoming telephone call is received;

    receiving a present CPU utilization value input;

    determining, when a new incoming telephone call is denoted as being received, whether a number aspect of the present CPU utilization value input is larger than a number aspect of a CPU utilization threshold input, and if so for setting a deny flag; and

    refusing the incoming call if the deny flag is set.

2. The medium of claim 1, wherein

    the incoming call input sets a ring flag when a new incoming telephone call is received, and

    the present CPU utilization value input is updated when the ring flag is set.

3. A method for preventing overload in a packet telephony gateway receiving incoming telephone calls, comprising:

    setting a CPU utilization threshold of a CPU of the gateway;

    when an incoming telephone call is received, comparing a present CPU utilization value with the entered CPU utilization threshold; and

    if the present CPU utilization value is larger than the threshold, refusing the incoming call.

4. The method of claim 3, wherein setting is by issuing a setting command, and by saving an aspect of the setting command in NVRAM.

5. The method of claim 3, further comprising determining a CPU utilization threshold of a CPU of the gateway before setting.

1　6.　The method of claim 5, wherein setting is by issuing a setting command, and by
2　saving an aspect of the setting command in NVRAM.

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1　7.　A computer-readable medium containing a program for preventing overload in a
2　packet telephony gateway, the program comprising:
3　　　　a CPU utilization threshold input;
4　　　　an incoming call input when a new incoming telephone call is received;
5　　　　a present CPU utilization value input;
6　　　　gauging software for determining, when a new incoming telephone call is denoted as
7　being received, whether a number aspect of the present CPU utilization value input is larger
8　than a number aspect of a CPU utilization threshold input, and if so for setting a deny flag;
9　and
10　　　　call refusing software for the packet telephony gateway to refuse the incoming call if
11　the deny flag is set.

1　8.　The medium of claim 7, wherein
2　　　　the incoming call input sets a ring flag when a new incoming telephone call is
3　received, and
4　　　　the present CPU utilization value input is updated when the ring flag is set.

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